

ABSTRACT

An expandable and collapsible structure and an expandable and collapsible scissor assembly and module therefor are provided. The scissor assembly includes a first strut having a first end and a second end. The scissor assembly also includes a second strut upper portion having a first end and a second end, the first end of the second strut upper portion being pivotably connected to the first strut at an upper strut connection point, and a second strut lower portion having a first end and a second end, the second end of the second strut lower portion being pivotably connected to the first strut at a lower strut connection point. The lower strut connection point is between the upper strut connection point and the first end of the first strut and the scissor assembly is movable between a folded position in which the first end of the first strut and the second end of the second strut upper portion are substantially adjacent and the second end of the first strut and the first end of the second strut lower portion are substantially adjacent, and an expanded position.